

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [13479] (Red Face), Yes, I have made a mistake... Correction
Message-ID: <19970302.122529.4551.4.wa5whn@juno.com>

QRP-Lers,

A few notes back, I had said that N1IRZ (Dave Finley) had finished QRP-WAZ. That is incorrect. Dave, I do apologize. He had just finished QRP-WAC. It was my mistake. Congratulations Dave.

Ready, Fire , Aim....Jay WA5WHN DM65qd

PS - 55 days until QRPTTF. The 3rd annual NorCal QRPTTF (April 26th).
Ok, who is operating from Hollyweird, Calif. ? ;-)

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [13482] 28.460 MHz @ 2018 UTC, Feb. 2nd (DX contest)
Message-ID: <19970302.134818.4551.0.wa5whn@juno.com>

QRP-Lers,

Just worked ZF2FT, on 28.46 MHz (SSB) @ 2018 UTC (Feb. 2nd), using the Uniden 2510 xcvr into a 3 element beam. 5/9 exchanged both ways. 15 meters is loaded with Central & South American Stations, in the SSB section of the band. Tell me again about the low end of the solar cycle again ;-)

72...Jay, WA5WHN Albuquerque, NM

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [13446] 38S Got here today and first stupid question:->
Message-ID: <33190794.128C@concentric.net>

Hi All,

I jsut got the 38S in the mail today. As usuauual with any new kit I RIPPED the bag open and started looking. The very first thing that I noticed was no mag wire in the parts bag. Can't wind toroids without the

magnet wire :-(. Can someone tell me if the wire was packed seperately? or is my parts bag just missing it? The plastic bag is in two halves sealed, one half containing the parts and the other side containing the board. I have the time to start building it tomorrow but can't wind the toroids without the wire. Looks real good! I have some mag wire here left over from some other projects, but of course I did not label it. I have a buch that looks like it could be 24 and a little bit that looks like it could be 26. Of course the kit takes 26. I am not even sure how much overall length I will need.

The other question that I have is that I know there is a list of parts out there that I need for the 5 watt mod and the other recommended mods. I crashed my hard drive and lost all of the archived 38S messages that I had. I will check the Norcal webpage. I have the tick chip and plan on building the radio right off with the 5 watt mod and tick chip installed.

By the way, I also got the complete TiCK keyer and installed it in my NW40. Nice keyer! Easy to install, easy to build and works really cool. I hooked up the pezio and then just turn off the pezio side tone when transmitting and use the internal side tone. Use the pezio for programming and it work cool. Will probably work the TiCK in the 38S that way. And no, I don't plan on installing the RIT.

Any tips or tricks, pass them along! Can I get all of the parts I need at Radio Scrap for the TiCK and 5 watt mod or not? Anybody have an easy way to tell the difference between 24 and 26 mag wire without a wire guage or micrometer? Would it really matter that much if I wound the toroids with 24 instead of 26? (I know, 4th stupid question!)

Best

Jess N0TFI (Brain dead in Colorado)

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: mike wood <K6MW@server.worldinfonet.com>

Subject: [13433] A3 antenna tune up?

Message-ID: <3318D67F.296C@server.worldinfonet.com>

Hi,

I just risked life and limb to lower my Cushcraft A3 tri-bander this PM for some much needed maintenance. Once the thing was on the ground, I discovered that several of the plastic trap ends are in terrible shape. Lots of splits and cracks allowing H2O to get in. (No wonder the SWR went ski high)

Can anybody tell me if the plastic caps are available from Cushcraft, or am I looking at replacing the traps effected? Nobody answered Cushcrafts phone this PM so got to wonder if anybody else had any experience with

this ant?

73, mike

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [13436] Arggo556 vs Sierra??
Message-ID: <Pine.GS0.3.95.970301205342.17753A-1000000@destrier.acsu.buffalo.edu>

Hello again gang,

All of this talk about the Wilderness Sierra along with the fantastic accomplishments attributed to it have lead me to wonder, is it really as good as it seems? I have a TenTec Cubbie (Argo556) and I really love it.

But every journal I open, every magazine a puruse (sp?) has a picture of the Wilderness Sierra and KC-2. Dick Fisher mentioned in the March WorldRadio that Fran and Paul used Sierras for the distance record on 40M. I am surely starting to wonder if the Ten Tec ready for its next owner!

Can someone who has both the TT adn the Sierra please give me a comparison of:

receiver noise

pleasure to use ratio

relative pain-in-the-butt ratio of band module changing

any other impressions.

I rarely use SSB. The bands are at times super jammed up. It seems that the only useable SSB band is 15M.

72, Mark N2VPK
Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [13480] ARRL Membership Poll.....as promised.:)
Message-ID: <8D33342.00040010A6.uuout@cheaha.com>

A while back I sent a question out regarding this list's opinion on whether I should continue my ARRL membership. I didn't expect the turn out at the "polls" that I got! :) Lots of folks have opinions on ARRL membership and here are the cut-n-dry results of the voting...albeit non-scientifically done, with a panel of badgers checking and rechecking votes to be sure no "ballot-stuffing" happened or that there were no "vote-buying" done. So....here's the results....

In answer to "..should I renew my membership to the ARRL..." question:

YES : 40
NO : 3
NO OPINION: 2

Not even a close race.

The most consistent feedback that I received involved "communication", interesting, eh, that this would be the most often spoken word. We're all into communications, right? :) Well, it appears that *maybe* we're not as up on our "communications" as we should be. We all moan and groan about what direction the ARRL is taking, what direction Amateur Radio is taking, and what things the FCC is doing. We talk and grumble to each other es when something good happens we rejoice together.....but do we go any farther with our complaints, ideas, hoorahs? Do we get these opinions to a place where they'll be noted by the people who make the decisions? Do we get pen and paper or whatever out and take the time to write a letter to the ARRL, our SM, the FCC, our respective government representatives? It appears that very seldom we do.

The majority of the folks that responded to my question stated an overwhelming *need* to voice our opinions to the appropriate parties. If *we* don't tell them what *we* want/need, then who will?....the Little LEO financiers? As QRPers I think we have a more grass-roots "feel" for what's going on around us, we have good ideas, and we're proud to be amateur radio operators. We need to share these ideas with "the powers that be". Let'em know what their constituents want. Pat'em on the back when they do good. COMMUNICATE. PERIOD.

So, do we sit on our fannies, sharing our ideas and thoughts, our complaints and praises with just a small circle of friends, or do we get our pens 'n paper, our typewriters, our word-processors out and write to our representatives? Or do we let somebody else decide what's best for us?

I'm as guilty as the worst at not communicating. I'll be trying to mend my ways shortly. The amateur radio society is looking at some

challenges and *we* need to be ready for any attacks on our bands and attacks on our freedom of operation. BUT, if those who formally make the decisions and changes *don't know* what we want....how can they make a quality decision and one that is correct? How can we expect them to? Email is fine, but hard-copy with a good 'ol USofA stamp on the envelope is something that is more concrete and tangible. It makes more of an impact on the receipient. So, do we get complacent in our little world or do we reach out and try to make a difference.

An old cliché, but..."The pen is mightier than the sword" is very true, and we are QRPer's so the "pen" is very appropriate for us.

To give equal time to the "NO" votes these opinions primarily centered on the ARRL executives salaries (?), and questioning what the ARRL has really done for amateur radio. I don't know about the salaries, but the "what has the ARRL..." question kinda reflects back on the "communication" issue that I've posed above. You might want to sit back and think for a few minutes on just what the ARRL *has* done.

So...do we let the tradition of amateur radio live on in it's apathetic state or do we resume the tradition of action? The pen will tell....

72/73

Ed Welch KF4KRV

NorCal Member

1st Grand Poobah ScQRPion of Alabama

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
...and a breathing 38s! :)
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: Brent Alexenko <alexenko@prairie.nodak.edu>

Subject: [13481] Can you hear me? (The Final Chapter)

Message-ID: <Pine.OSF.3.91.970302143316.20090A-100000@prairie.nodak.edu>

HA!

After much head scratching, and pounds of wonderful advice from you all, I'm finally up and running. I ran my antenna out my window and got it

hooked up.

I decided to see if I was getting out, and I picked up KB0LLZ from Nebraska. He was a sport, since my code has pretty much atrophied from lack of use.

Anyway, Steve (K8IDN), Paul (W0RW), James (AA1RB), and anyone else who wants a sked with QRP-NORTH DAKOTA....I'm ready when you are.

Gosh...I'm excited!!

Catch you all on 40m!

Brent
KG0WE
West Fargo, ND

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Len W. Tough" <len@infinet.com>
Subject: [13483] CONTEST: CQrp Challenge FINAL results
Message-ID: <199703022108.QAA16940@mail1.infinet.com>

Hello gang.

Well, the scores are ALL in and it is official. The Columbus QRP Club wishes to announce the winners of the CQrp Challenge Contest.

Carl Yaffey - K8NU - 39 points
Steve Bornstein - K8IDN - 38 points (boy that was a close one!)
Barry Keating - WD4MSM - 29 points

Carl will be recognised as the CQrp Champion with a very nice wall Plaque
- Congrats Carl!!

Steve and Barry will be awarded a CQrp Challenge CONTENDER certificate

Also, we have an award for:
Joel Malman - WA1QVM who is awarded a WORKED 3 CQrp award for working 3 or more CQrp member stations during the contest.

Congrats to all. The awards will be on their way to you soon.
Thanks to all who participated in the CQrp Challenge.

Best 72/3

Len
KG8SF
len@infinet.com

KG8SF@key.com

QRP-L # 841 CQrp # 2 ARCI # 9025 FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor
CHARTER MEMBER - THE COLUMBUS QRP CLUB - *CQrp*
Web Page: <http://www.infinet.com/~len>
QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15,
Kanga Any Band Xmitter, Bare Essential 50c5 Xmitter

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: AD4KB@aol.com
Subject: [13490] dit dit and dah dah figured out!
Message-ID: <970302173026_278750535@emout02.mail.aol.com>

Thanks to all who replied (about 25!) to my question about the keyer. I have reversed the wired and now have dits on the thumb. Thanks again!

73

de Jim (AD4KB@aol.com)

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [13447] FOX Preport:N6WG (Real long 'un)
Message-ID: <M1314430.003.eghm2.1.970302045834Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

The Gift of the Golden Fox

Ok, nephew. Crawl up here in Uncle Bob's lap, and we'll have a story. Oh, you want to hear about when Ol' Kenwood and I were young, do you? Well, ok.

Let's see. I know, I'll tell you about the time Ol' Kenwood and I dug for gold in the old Mother Lode goldfields out in California.

No. Yes. I mean, No, I'm not making this up. Yes, we really did dig for gold, Ol' Kenwood and me.

There's a spot in the Sierra Mountains out there in California where a whole lot of gold has been dug up. You ever hear of the 49ers? No, not the football guys, these were gold miners. Miners dig in the earth to get stuff out, like gold. They came from all over the country to dig for gold in California.

Well, they dug up a lot of gold a long time ago, but there's still some around. They called that area the Mother Lode country, 'cause that was supposed to be where all the gold came from. They figgered if they just kept diggin' and explorin' they'd find the Mother Lode and be rich.

Ol' Kenwood and I were travelin' through the area years ago, just to see what was out there. 'Course, Ol' Kenwood was young Kenwood back then, just growin' out of bein' a puppy. Kind of a teenager dog, you might say. Big head, long legs, big feet and a clumsy tail. Well, it was nice country, up there in the Sierras, and the diggin' and pannin' fer gold looked interestin'. So we decided to stick around fer a bit and see if we could find some gold ourselves.

In some places gold was dug from tunnels into the mountains, some just came from holes in the ground, and some was dug out of stream beds. We found an old claim that had been abandoned, and figgered we could just dig around and see if anythin' turned up. We would dig during the morning and part of the afternoon. Kenwood was a big help, with those oversize feet he was still growin' into, and boy, could he throw dirt. Well, in the afternoon, we'd drag a bunch of loose dirt down to the stream and pan the rest of the day, trying to see if there was actually any gold in all that dirt we had dug.

Let me tell you, nephew. We dug a whole lot of dirt for mighty little gold. We were scratching out just enough scraps of gold to buy food, and that was it. Hard work, and no sign of gettin' rich. Reckon that's why that claim had been abandoned. Anyway, in the evening, we'd have a fire and I'd cook our food. While we were eating, sometimes miners from other claims would come by to visit a bit. It's hard work, and you need to visit with others at times just to relax and rest up.

One evening our visitor, a rather grizzled old miner who had been out in the goldfields since dirt was new, told us a story that I rather liked, about the Golden Fox of the Mother Lode.

I know you've seen pictures of foxes in your school books. Did you know that some kinds of foxes live in holes in the ground? Burrowin' foxes they're called. Anyway, this Golden Fox was supposed to be one of those.

According to the story, the Golden Fox likes to dig his burrow where the ground is rich in gold dust, that's little tiny pieces of gold but a lot of them. Guess it makes the dirt looser and easier to dig. If you could see him in the daylight, he would have kind of a golden shine to him, 'cause of all the little specks of gold caught in his fur.

Well, there aren't a lot of Golden Foxes up there in the Sierras, or anywhere else, either. You're more likely to hear one than ever see one. Sometimes, you can hear them singing at night, out there in the wilderness, particularly on very quiet nights. They don't have as loud a cry as some other foxes, so you really have to listen for them. Kind of a QRP fox.

Now, as the story goes, if you do hear a Golden Fox singin' in the night, you want to try to find him. You don't want to catch him, just find him. You see, while he's sittin' out there singin', he often has to scratch, 'cause those lil bits of gold get scratchy down in his fur. Kinda like hair clippin's after a haircut. You've seen a dog scratch, kickin' with his hind leg 'til he gets his itch scratched. Well, same thing with the Golden Fox.

Well, when ol' Golden Fox has had his evening sing and scratch, eventually he wanders off to do the usual fox things, like find something to eat.

The lucky miner that found where ol' Golden Fox had been singin' could find a lot of gold dust shaken out on the ground. He could scoop up all that dirt with gold dust in it, wash the dirt away with his gold pan, and have a nice little pile of gold dust. Anyway, that's the story our visitor told us. Didn't really believe it, though. Sounded like a typical goldfields campfire tale to us.

A couple of nights later, after we had eaten and were just kickin' back by the fire, we noticed that the night had gotten very quiet. No wind, not much of any other night noises but the cracklin' of the fire. Then we heard this real faint singin' in the distance, sounded sorta like CQ CQ FOX de N6WG. The ol' timer didn't say what the Golden Fox's song would sound like, but we thought maybe this could be one.

So young Kenwood and I left our camp and struck out into the darkness, following that faint song. Good thing the moonlight was pretty bright, or we would have banged into trees all along the trail. As it was, I banged my head on a few low branches, while young Kenwood just trotted along under them. He couldn't seem to understand what my problem was.

The song had a lot of QSB, but we were able to follow it in the general direction of the Golden Fox's singin' place. Young Kenwood's hearing was a lot better than mine. After 'bout an hour of pokin' around in the dark with only the moon for light, we finally found the Golden Fox. He was sittin' up in a little clear patch on a hill, and just a singin' up a storm.

Well, like the story said, we left him alone. However, we did check for some land marks so we could find the place again in the daylight. Figgured young Kenwood's nose would help find our way back to it.

Next morning we went back, huntin' for the place where we saw the Golden Fox. It took a while, 'cause the darn landmarks looked different in the daylight than

they did at night, but we finally found the right hill and the little clear patch.

Guess what. That old miner hadn't been tellin' us some wild tale. There really was some gold dust there on the ground along with fox paw prints. Well, we scooped up every scrap of dirt that had a chance of holdin' any gold dust and carried it back to our camp. Spent the rest of that day pannin' the dirt away from the gold dust so we could see what we had.

Let me tell you, that was a surprise. When the dirt was all washed away, we had a nice little pile of gold dust. Actually a lot more than we had dug up on our own so far. I put it in my little leather pouch, and young Kenwood and I hiked into town to see what we had. Went into the Assay Office where they weigh and buy the gold and had it checked. It was real gold, and we got a lot of money for it.

Well, nephew, like I said, young Kenwood and I hadn't been real successful as gold miners. So far, just a whole lot of hard work with not much to show for it. After seein' how much this gold dust brought us, we just looked at each other, thought a minute, then hoofed it down to the train station. After I bought us tickets home, there was just enough left over for a good dinner before the train left.

There you have it, nephew. That's how ol' Kenwood and I met the Golden Fox of the Mother Lode a long time ago.

The Golden Fox of the Mother Lode will sing again on March 5 at 0400 UTC (March 4, 8-10 PM PST) somewhere out around hill 7035.. He will be singing CQ FOX de N6WG, just as in the story. You are all invited to try to catch a glimpse of this rare and elusive creature. If you're lucky, you might pick up some gold dust.

72, Bob N6WG and Ol' Kenwood

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "John Lockhart" <jlockj@minn.net>
Subject: [13430] FS: Index Labs QRP++
Message-ID: <199703020010.SAA03306@T-Rex.Minn.Net>

QRP Plus transceiver with improved AGC/mixer/SSB boards for sale. Like new physical and electrical condition with manual and shipping box. (too many radios, and looking at new Icom 756.....) \$550 shipped UPS to you.

John Lockhart W0DC

St. Paul, Minnesota
(612) 643-0509

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [13495] FS: FT-840/TS-520/QRP/DSP/D-104/2m amp/Heath wattmeter
Message-ID: <Pine.3.89.9703021701.B7658-0100000@w3eax.umd.edu>

I apologize, first, for replying to the 941B post to the whole list (oops).

The Ten-Tec 961 power supply and PTO rebuild kit have been sold.
The Nye-Viking Lowpass filter has been sold.
I believe the Yaesu FT-50 dualband HT I have to be sold, as is the FT-23.

Ramsey PA-10 30w 2m power amp. With box and manual,
preamp has been removed from circuit. \$40. Exc. cond.

Yaesu FT-840 HF rig, 160-10m, 100 watts, general coverage, 100
memories, two VFOs, backlit LCD display, close to perfect cond.
No options, just the basic rig w/box, manual, hand mic, and power
cord. I got it used close to a month ago and have found another
rig for the shack. \$610 (potentially sold).

Kenwood TS-520, VFO-520 (ext. VFO), SP-520 speaker, MC-50
desk mic. Radio comes with 500 Hz YK-3395C CW filter. Everything
works properly and comes with boxes, cables, and manuals for all.
\$425, all in excellent condition.

S&S Engineering ARK 20 20m QRP CW rig. 5w output, pushbutton
tuning, built like a rock. Comes with factory-installed keyer.
Close to \$400 new, asking \$280, will throw in FREE Ramsey linear
amplifier, which you can use, caniballize, throw away, me no care.

Astatic D-104 mic on T-UG-8 base. Standard Lollipop
microphone, used on a Collins station. Comes with coily
cord and PJ-068 Collins plug. \$40. Good shape, base
is a little rough.

Unadilla W2DU HF balun. Used, but clean, with box & manual. \$16.

MFJ-784B DSP filter, excellent condition with manual. \$180.

Very good shape Heath HM-2140 dual meter wattmeter, reads
PEP as well as SWR. Works up to 2 kW, with remote sensor

head. Heavy and sturdy; big, easy-to-read meters. \$85.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: kf2zw@juno.com (Scott Hoag)
Subject: [13442] FS: Heath HW9 Station
Message-ID: <19970301.225927.3430.0.kf2zw@juno.com>

Hello and thanks for reading my post...
I have decided to part with my HW9 station as I havent used it in the
year or so since I got my TT 525d.

The station is nearly complete and consist of the following:

Heath HW9 with WARC band pac
Matching tuner
Matching SWR meter

I should have all the docs, but not really sure where to put my hands on
them as we moved reciently.

I am asking 350.00 for all and would rather sell it complete

Please respond to kf2zw@juno.com, kf2zw@frontiernet.net, or 716-889-3658

Please, no calls after 10:00pm

Thanks and 73's

Scott KF2ZW

url www.frontiernet.net/~kf2zw

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
Subject: [13468] FYBO ANTENNAS DE K10J
Message-ID: <3319B936.557D@swbell.net>

Well FYBO has come and gone and I have almost recovered. I recieved some e-mail requests for info on the antennas I was using and thought I would share the following with all. In addition to the double size G5RV (204ft) that I used on 80m, I had a monoband 8JK on both 20m and 40m. Here is the scoop.....

Feed is connected halfway between dipoles with twinlead or balun and coax.

of 1/2 wavelength above ground. When fed in the center, the array produces a bi-directional pattern. The array may be made directional by attaching the feed to one of the dipoles. The pattern will be directed towards the 'other' dipole. Connecting a string the length of 'B' between the ends of the dipoles will help keep the spacing of the wires uniform. Computer modeling of these antennas at the 50 ft I had them erected at showed 6.3db gain on 40m and 9.6db on 20m.

The idea to use these antennas came from a local ham, W5SB-Bill. He uses stacked versions of this antenna with great results. He frequently opens his shack to operators for many of the contests and his station never fails to perform well.

A

A

<--450 ohm ladder line
length 'B'

X <--- HALF TWIST (180 DEG)

A

A

20M A=29.4FT B=8.46FT

40m A=58.7FT B=16.9FT

80M A=134.9FT B=38.9FT

'B' Is an electrical 1/8 wavelength with a 1/2 twist between dipoles.

I used random lengths of 450 ohm line to feed these antennas and had very good results with them. They are carefully rolled up and awaiting QTTF!

CU---OJ---K10J

HOUSTON,TX

QRP-L #732

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From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: JFelts4572@aol.com

Subject: [13438] GM-15

Message-ID: <970301211559_2028485869@emout18.mail.aol.com>

Gang,

Would any of you out there who have a GM15, mind letting me know: how you like it? How did it build, any problems, output, and that kinda stuff. I ordered one today.

Jerry -- NR5A -- Box Elder, SD

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: "Brandon (AC40U)" <ac4ou@mail2.wilmington.net>

Subject: [13444] Kinda new to QRP..looking for advise.

Message-ID: <199703020430.XAA20045@mail2.wilmington.net>

Hello,

My name is Brandon AC40U. I am 20 years old... First licensed at 14. I have used my QRO rig for QRP before, but I'd like to find a good kit to build and experience QRP on the go---You can't just pack up the HF and go :-)) -----

Thanks and 73,

Brandon Brinkley

AC40U

ac4ou@wilmington.net

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: rflight@VNET.IBM.COM
Subject: [13454] KnightLites are aglow
Message-ID: <199703020718.CAA192268@nss2.CC.Lehigh.EDU>

Hiya Gang;

I'll be making my debut as NCS for our weekly KnightLites net tomorrow (Sunday evening)... Oops... guess it's Sunday already... so look for us tonight.

Tune in to 3686.4 KHz +/- and give a listen for:

CQ KL Net de WQ4RP QNI? k

I'll crank up the linear and open up the throttle on the generator to make sure I'll be clackin' along at a full 5 watts. If you can hear me hang in there... I'll hear you right back. I'll pick off the high rollers first to get the channel clear for all you QRP'ers, so once I acknowledge them, I'll have them all standby and listen for you. Let's see how many of you can make it in tonight. Here's the scoop on the net:

Frequency: on or about 3686.4 KHz

Start Time: 9:30PM Eastern Standard Time	(2130 EST)
8:30PM Central Standard Time	(2030 CST)
7:30PM Mountain Standard Time	(1930 MST)
6:30PM Pacific Standard Time	(1830 PST)
2:30AM Greenwich Mean Time	(0230 UTC)

Duration: 90 minutes, 1.5 hours, until 0400 UTC.

End Time: This is left as an exercise for the student :-)

Net Control: WQ4RP (this is our very own KnightLites callsign)

NCS Operator: QNN N3GO, Gary in Raleigh NC. (First KL Net of each month)

Format: Informal...

NCS calls for check-ins (QNI?) and stations ID with callsign.
NCS acknowledges stations heard (QNS), asks for standby (AS)
while continuing requests for check-ins (QNI?).

When QNS list appears complete, NCS asks for relays (QSP?) from
others who may be hearing stations attempting to check-in
but who are not being heard by the NCS station. Obviously;

if you hear somebody attempting to call me that I haven't yet responded to at this point, identify yourself, and I will respond with "yourcall" QSP, tell others on the net to standby (QNE) while you get the info from the unheard station, and relay that information to NCS.

NCS then rotates through the list of stations and asks for comments. Give your name, QTH, Power, antenna, rig, and add what comments you would like to share with the gang. NCS will interject between "chats" and check for additional check-in's (QNI?). Stations hearing weak stations attempting to check-in without success, feel free to break in with QSP. I will direct the net to standby for the new check-in. NCS will get very tired as some point and throw in the towel with QNF (Net is free).

I will be using my hand key, so I can QRS to whatever is comfortable for you. I can QRQ to 15WPM or so in this mode, and upwards from there only after the net closes. I will be listening hard for all you folks out on the fringe, and other ears will be listening to help you get in if the going gets rough. PLEEZE be persistent if you don't succeed right away. The band will be changing as the night wears on, and at some point, you will likely make it in.

BTW... if you are on the fringes (lets say 1000 miles or more from NC), feel free to break in with QNI between exchanges. If I hear something in the channel, I'll hold the others off and get there ears focused for you.

Let's see how many QRPp folks we can squeeze in here too. Chuck... this means you... Fire up the 950 milliwatts and give us a shout. We got you during the "Knights before Christmas" event, and we get Ray in El Paso on a regular basis, so see if we can't get you on our KL net roster tonight.

For those who might feel a bit uncomfortable trying to participate in a net, now is your chance to give it a go. This is my first time as Net control so if you don't botch it up... I will. In any event... we will both have great fun, and its a chance for us to all learn together. There is no wrong way to do this. You just got to keep plugging away until one of us hears you and lets you in. To help you neebies to this net stuff... Here's some of the Q-signals you may (or may not) hear and what they should mean when they are being used.

QNE - This is sent by NCS to ask all stations on the net to stand-by. Its use will be slightly different in that it will apply to only those stations who have successfully checked in. It is a way for NCS to hold back the chatter long enough to pick up some of the QRPp folks, as well as some of the DX stations who may not be able to be heard otherwise.

QNF - This may get used at the end of the net to signal that the net is over. Many who have stayed around until this time will sometimes

respond with 72, dit-dit, GE, or some other salutation before the frequency goes quiet :-)

QNI? - The net control station (NCS) will use this to ask you to report in.

QNN "call" - Identifies the station who is participating as NCS. This will be QNN N3GO tonight as I will be NCS for this session. You can also use this as QNN? if you don't know who the NCS operator is but wish to.

QNS - This is followed by a list of callsigns... These are the stations heard by NCS who have checked into the net.

QRS - Use this to ask NCS to slow down to your speed. Send at the speed in which you are comfortable copying. Don't go much over 15 WPM for the benefit of others on the net who wish to copy your comments.

QRZ? - This means who is calling me. If you get this response... it means to give it another try... I may hear you, but am having some trouble getting 100 percent.

QSP? - I will send this to signify "will somebody relay unheard stations?" If you didn't hear the station on the QNS list you might want to respond with QSP de "call" to let me know you hear somebody new and can serve as a relay for them.

Some other stuff you might hear:

KL - An abbreviation of KnightLites for use by the net.... I wonder why??

AS - Run together as one character... signifies wait. It is often used in place of QNE, but more appropriately is used for an individual station.

72 - The QRP community have adopted this altercation to 73 to imply reduced power best regards. Haven't heard 87 used just yet, but as the YL's start showing up, it's bound to happen.

Just about anything else... - Just ask...

I'm looking forward to a QRO list of QRP and QRPP check-ins. Lets make this a record bash before summer starts to drown us out.

72 de N3GO ... QNN for WQ4RP Sunday night KnightLites net.

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Joe Everhart <n2cx@voicenet.com>

Subject: [13487] Lost my in-box
Message-ID: <199703022215.RAA09810@mail3.voicenet.com>

Gang,

I suffered a scrambling of the in-box part of my e-mail program yesterday. I've had intermittent problems for about a week now but it finally went kablooeey.

So, if you send me e-mail during the last week and I haven't replied, that's why! Please re-send and I'll reply rihgt away this time.

72/73,

Joe E., N2CX

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Stephen Krosner <skrosner@mindspring.com>
Subject: [13467] Morse trainer
Message-ID: <3.0.32.19970302120124.0068712c@mindspring.com>

Now that I've gotten hooked on building these neat qrp CW rigs, I remembered why I didn't operate CW much....I can't copy code very well. I guess I'd better start practicing. I ran across an article by David Finley N1IRZ suggesting the Koch method. It sounds interesting and I would like to try it but I'm having trouble getting any of the cw training programs I've found on the net to work on my HP200. The one recommended by David is super morse. I've loaded it on the HP but I can't get the speed calibrated. I've tried both timing methods and neither one results in a repeatable code speed.

Is there anyone on the list that has installed a cw trainer on the HP200 and gotten good results? If so, which one and where can I get a copy.

Thanks for your help, 73's Steve K2ZPF

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Robert D. Haslach" <rhaslach@CapAccess.org>
Subject: [13459] My Ten Tec Scout problem
Message-ID: <Pine.SUN.3.91-FP.970302084336.28735A-1000000@cap1.capaccess.org>

Lots of responses, as I suspected there would be. I am going through each of the 3 paths suggested, and will post my outcome. What a list! BTW, my ARK40 is VERY bulletproof (and idiotproof)... whew!

Regards, N3FRT
Robert D. Haslach
Bye

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: ka7you@juno.com
Subject: [13492] Need info on MFJ-941B tuner
Message-ID: <19970302.151149.4511.21.KA7YOU@juno.com>

I loaned out my MFJ 941B compact tuner, and only got one page of the manual back. I think it originally had two. Can someone provide a copy for me. I'll be happy to send an SASE and cover the copying expense.
Thanks,
Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP#120 ARCI#7251
QRP-L#844

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: George Gingell <k3tks@u1.abs.net>
Subject: [13456] Post WAR HAM RADIO INFO (Long)
Message-ID: <Pine.BSI.3.93.970302030516.4305D-1000000@u1.abs.net>

From: Monte Stark <ku7y@sage.dri.edu>

Not quite QRP, but is there anyone here that knows the post war history of amateur licensing here in the USA? Classes, freq's and etc?

Thanks, cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Ron,

Although I was Born in '42, I do have a 1943 & 1947 Handbook in my Library. There is some mentioning of Licensing and Regulations in Chapter 22 of the 1943 Handbook. Most of my other stuff is packed up right now, so I am not sure if I have any other reference materials available. I have the book in front of me now and I am looking for the sections of the extracts of the text of the Communications Act of 1934 which will answer your questions. I hope that you will find this information useful.

G. Danny Gingell, K3TKS@abs.net (Licensed in 1962)
Maryland Milliwatt Club QRP Reference Library, (301)572-6789

EXTRACTED from Chapter 22 of the 1943 A.R.R.L. Handbook (Twentieth Edition)

Licenses; Privileges

12.21. Eligibility for License. The following are eligible to apply for amateur operator license and privileges:

Class A - A United States citizen who has within five years of receipt of application held license as an amateur operator for a year or who in lieu thereof qualified under Section 12.46.

Class B - Any United States Citizen.

Class C - A United States Citizen whose actual residence, address, and station, are more than 125 miles airline from the nearest point where examination is given at least quarterly for Class B; or is shown by physician's certificate to be unable to appear for examination due to protracted disability; or is shown by certificate of the commanding officer to be in a camp of the Civilian Conservation Corps or in the regular military or naval service of the United States at a military post or naval station and unable to appear for Class B examination.

12.22 Classification of operating privileges. Amateur operating privileges are as follows:

Class A - All amateur privileges.

Class B - Same as Class A except specially limited as in Section 12.116.

Class C - Same as Class B.

12.23. Scope of operator authority. Amateur operators' licenses are valid only for operation of licensed amateur stations; provided, however, any person holding a valid radio operator's license of any class may operate stations in the experimental service licensed for, and operating on, frequencies above 300,000 kilocycles.

EXAMINATIONS -

12.41. When required, Examination is required for a new license as an amateur operator or for a change of class of privileges.

12.42. Elements of Examination. The examination for amateur operator privileges will comprise the following elements.

1. Code test - Ability to send and receive, in plain language, messages in the International Morse Code at a speed of not less than thirteen words per minute, counting five characters to the word, each numeral or punctuation mark counting as two characters.
2. Amateur radio operation and apparatus, both telephone and telegraph.
3. Provisions of treaty, statute, and regulations affecting amateurs.
4. Advanced amateur radiotelephony.

12.43 Elements required for various privileges. Examinations for Class A privileges will require all four elements as specified in section 12.42. Examinations for Class B and C privileges will include elements 1, 2, and 3 as set forth in section 12.42.

12.46 Examination abridgment. An applicant for Class A privileges, who holds a license with Class B privileges will be required to pass only the added element, No. 4 (see section 12.42).

Also noted, credit for certain examination elements was given to holders of Commercial Radio Licenses or previous holders of Class A licenses.

ALLOCATION OF FREQUENCIES

12.111 Frequencies for exclusive use of amateur stations.

The following bands of frequencies are allocated exclusively for use by amateur radio stations.

1,750 to 2,050 kc.	28,000 to 30,000 kc.
3,500 to 4,000 kc.	56,000 to 60,000 kc.
7,000 to 7,300 kc.	112,000 to 116,000 kc.
14,000 to 14,400 kc.	224,000 to 230,000 kc.
	400,000 to 401,000 kc.

12.112 Use of frequencies above 300,000 kilocycles. The licensee of an amateur station may, subject to change upon further order, operate amateur radio stations, with any type of emission authorized for amateur stations, on any frequency above 300,000 kilocycles without separate licenses therefor.

12.113 Individual frequency not specified. Transmissions by an amateur radio station may be on any frequency within the bands assigned. Sideband frequencies resulting from keying or modulating a transmitter shall be confined within the frequency band used.

12.114. Types of emission. All bands of frequencies allocated to the amateur radio service may be used without modulation (Type A-1 emission).

12.115 Additional bands for types of emission using amplitude modulation. The following bands of frequencies are allocated for use by amateur radio stations using additional types of emission as shown:

1,750 to 2,050 kc.	-	-	A-4	-	EMISSION TYPES -
1,800 to 2,050 kc.	-	A-3	-	-	Type A-1 Telegraphy on pure
28,100 to 30,000 kc.	-	A-3	-	-	continuous wave.
56,000 to 60,000 kc.	A-2	A-3	A-4	-	Type A-2 Modulated Telegraphy
112,000 to 116,000 kc.	A-2	A-3	A-4	A-5	Type A-3 Telephony
224,000 to 230,000 kc.	A-2	A-3	A-4	A-5	Type A-4 Facsimile
400,000 to 401,000 kc.	A-2	A-3	A-4	A-5	Type A-5 Television

12.116. Additional bands for radiotelephony. Amateur stations may use radiotelephony with amplitude modulation (Type A-3 emission) in the frequency bands 3900 to 4000 kc. and 14,150 to 14,250 kc.; provided the station is licensed to a person who holds an amateur operator license endorsed with Class A privileges, and actually is operated by an amateur operator holding Class A privileges.

12.117 Frequency Modulation. The following bands of frequencies are allocated for use by amateur stations for radiotelephone frequency modulation transmission.

29,250 to 30,000 kc.
58,500 to 60,000 kc.
112,000 to 116,000 kc.
224,000 to 230,000 kc.
400,000 to 401,000 kc.

12.131. Maximum power input. The licensee of an amateur station is authorized to use a maximum power input of 1 kilowatt to the plate circuit of the final amplifier stage of an oscillator-amplifier transmitter or to the plate circuit of a oscillator transmitter. An amateur transmitter operating with a power input exceeding nine-hundred watts to the plate circuit shall provide means for accurately measuring the plate power input to the vacuum tube, or tubes, supplying power to the antenna.

Temporary ORDERS 72 thru 87-B related to WAR Time restrictions are also printed in section 22 along with references to Temporary Rearrangement of

Frequencies. Information concerning the 23 U.S Radio Districts and addresses of Radio Inspector-in-charge are given.

If you need more information, I suggest that a Note to ARRL HQ will get it for you. Info@arrl.org

72 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net
Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: watkins <watkins@socketis.net>
Subject: [13472] Power losses at non-optimum SWR
Message-ID: <3319C7A1.1B66@socketis.net>

Dear Friends,

With several different posts regarding the losses inherent in different commercial antenna tuners, and the QST artical documenting the losses measured in four common units, I have wanted to find a chart which I have seen which states what the power losses are you aren't 1:1.

My base antenna is a Gap vertical, which is under 2.5 to 1 (often much better) in the different fx I use. So my question is, what are the losses from the mismatch as-is, so I might consider whether I am better off just accepting them, rather than taking on the losses from my tuner (10% minimum, it would appear) in order to be 1:1.

The table I've seen states it simply - as in: a SWR of 1.8:1 yields you XX% of your input power. Can anyone direct me to this table or send me a copy? Please e-mail me privately, and post to the group if you think it appropriate.

TNX ES 73 DE Daniel W3DW
watkins@socketis.net

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [13460] QRP Books, recent crop
Message-ID: <19970302.085928.8127.1.wa5whn@juno.com>

QRP-Lers,

There is a wealth of knowledge, currently in print, about QRP. For those of You just coming on board, I would suggest that You purchase the back issues for "QRPP" Volumes I - III, soon to be four, from KI6DS - Doug (KI6DS@telis.org). He can quote You the exact price for those bounded back issues. Next, the "Electronic Data Book for Homebrewer's and QRP'ers" by Paul Harden (NA5N@rt66.com). Also, pick up 2 books from the ARRL (<http://www.arrl.org/>), "QRP Power" & "Hints & Kinks". That should give most of You plenty to read, on the porcelain palace ;-) (Anyone remember the "Statue of the Thinker" in the "Dobie Gillies" TV series ?)

72...Jay, WA5WHN

PS @ T minus 55 days & counting until QRP TTF . Are You ready ?

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Len W. Tough" <len@infinet.com>
Subject: [13469] QRP HF Digital: Any Experience with a QRP rig?
Message-ID: <199703021801.NAA25083@mail1.infinet.com>

Hi Gang:

Other than CW/QRP, my main passion is HF digital radio. The other day, I worked a station from Texas in the PACTOR mode. This station was running 3 watts to a homebrew dipole up in his living room. With the protocols and error correcting of PACTOR and the other ARQ linked digital modes, I am sure that QRP ops are viable.

Any experience out there with a homebrew rig for portable LSB qrp ops? I was considering the Small Wonder line. Problem is, I need a rig for LSB on 20!

Just a thought for discussion. I know the Northwest QRP club did a February Contest re: digital.

Best 72/3

Len
KG8SF
len@infinet.com

KG8SF@key.com

QRP-L # 841 CQrp # 2 ARCI # 9025 FISTS # 2134

HF Digital Communications - CW/Pactor/G-Tor/RTTY/Amtor
CHARTER MEMBER - THE COLUMBUS QRP CLUB - *CQrp*
Web Page: <http://www.infinet.com/~len>
QRP Homebrew Rigs = OHR 400, S&S TAC-1, NORCAL 38S, SWL GM-15

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [13471] QRP Rigs/Kits?
Message-ID: <3.0.32.19970302182851.0068d21c@mailhost.primenet.com>

Is there a resource that provides brief descriptions and/or
specifications for various popular/classic QRP rigs?
e.g. Argosy, 509, ARK 20, QRP+, QRP++, etc...

Sounds like the Sierra is a challenging kit and some are available
in kit form, but what makes it the rig of choice? Other choices?

My 38s is almost ready to test (when the crystal arrives) and plans
are to build a 40m SST later, but *still* looking for a good rig or
kit that can be used for "QRP To The Field."

73, Brian ke7gh@qsl.net

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "n2tnn" <n2tnn@ifu.net>
Subject: [13432] QRP what else
Message-ID: <199703020025.TAA05621@mail.ifu.net>

Just a quick note...

SSB contest going on so checked out 160 meters and fornd W3ORU. Hooked up

for a nice QSO and then said I was QRP with 2 watts. He says it sound like 200 watts because sigs were 5 over 9

SSB test was giving out reports with a "K" after the 59 report. I said QRP is fun and he asked how can it be fun. I said you just gotta like it!!!!!!!

Thanks for listening.....

72/72 Dean N2TNN NJ

ps couldn't get HI with 2 wattts, maybe he wasn't listening for NJ

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "jerry" <jerry@otherside.com>
Subject: [13445] Question on 38S
Message-ID: <199703020452.XAA02990@nirvana.otherside.com>

Gang,

Just got the 38 yesterday and have confirmed that all the parts are there.

My question is, what has everyone used for the two pots, audio and tuning?? Does RS have the suitable parts or should I look elsewhere. Looking forward to building this rig since it's been since the heathkit days since I have built anything. Just wanting to build the "stock" rig for now and see if it will work the first time for me. Thanks for the bw and help.

72

Jerry

WD9CTB QRP-L 846 ARCI 4786

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: TMOLL@aol.com
Subject: [13461] SSB QRP
Message-ID: <970302110355_-1908883628@emout03.mail.aol.com>

Mark N2VPK recently said

<<I rarely use SSB. The bands are at times super jammed up. It seems that the only useable SSB band is 15M.>>

Yes, SSB QRP is tough, but not impossible. The other night as I was working on my 38S, I was listening to a local group on 75m ssb. Idecide to break in because they were discussing unique call signs. They liked mine, but they

could barely copy me, and were not too interested in straining to hear me. OK, so I tuned around. Wall to wall KWs (or more). Another round table qso of very loud signals was just ending. One of the calls was a W7, so on a whim I called him. No reply - called again, again, again. One of the other participants in the qso, a VE3 said "Hey Bob, someone's calling you - give a listen. So he did, and I called several more times, announcing I was running 5 watts - no response. The VE3 again said "Hey Bob, the guy is qrp!" My hat is off to Bob - he said "probably looking for Wyoming for QRP WAS - keep trying". So after several more tries, we made a valid qso, in fact the band came up to the point where he said I was S7 on his meter and very solid copy! I mentioned I had been working on the 38S when I heard them, and he wanted to know all about it - I'm sending him info. This was a great example of how important the guy on the other end is to successful QRP, and how gentlemanly MOST hams are in this regard. Don't think you can't do it with QRP - I used to think this kind of QSO on 75m ssb at night among the giant signals was impossible - not so! Also, think about it - when these QRO roundtables end, the result is usually a very nice clear wide open spot in the band! Patience, patience, - pounce CQ CQ QRP etc.

Tom NoBS

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Robert D. Haslach" <rhaslach@CapAccess.org>
Subject: [13435] TenTec Scout problem
Message-ID: <Pine.SUN.3.91-FP.970301203800.16146B-100000@cap1.capaccess.org>

Doubtless my own stupid error, BUT, my wonderful new used Scout is locked on X.142, no matter which band module I put in. No output as far as I can tell. Is there a "reset" button somewhere to unlock the VFO? Or is this a box lunch for Tentec repair?

Any advice will be most welcome

Regards, N3FRT
Robert D. Haslach
1/20th of our nation's capitals active hams
Bye

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [13489] Thanks for all of the antenna help!
Message-ID: <Pine.OSF.3.94.970302161744.26502B-100000@fly.HiWAAY.net>

Hey Gang,

In my message about putting up antennas, I forgot to mention that it was raining. Good training though, might be raining while camping or on a boyscout camporee and have to put up my antenna in the rain. Hee Hee! Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [13464] Thanks for great antenna info!
Message-ID: <Pine.OSF.3.94.970301204448.28731G-100000@fly.HiWAAY.net>

Hey Gang,

I would like to thank the QRP-L and it's members for helping me find an antenna for portable operation. I had some great responses and I am going to try one of the designs today. The other will have to wait until probably the next week or two as I have to get some money to get some insulated wire/RG8X. Funds are a little low, just purchased about \$70 or \$80 worth of parts, and I also got NA5N's Data Book, I can't wait to get it. So thanks everyone for helping me on the antenna questions. This is a great list. THANKS! Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [13488] Thanks to list, new antenna up and going!
Message-ID: <Pine.OSF.3.94.970302154549.26502A-100000@fly.HiWAAY.net>

Hey Gang,

Thanks for all of the great replies to my question about antennas in the field. I have gotten some great responses and I have decided on trying 3 of them from the house and seeing which one I like the most.

One of the antennas is the off center fed dipole. I made it out of number 14 gauge uninsulated wire, all I had handy. I cut one side of the diople to 44' the other side to 22'. I then put a center insulator in

between the two pieces of wire. I then soldered some 450 ohm ladderline to the antenna wires. Then I put some end insulators on the wire. Next, because I didn't have a lot of rope, I just tied the rope to the insulator, of course after I got the rope up in the tree. I then stretched the antenna, the side of the antenna that was 22' long, and I went to the edge of my house, in the bushes, about 5' high, and I put a fence post in the ground. I then tied the insulator off at the post and managed to the center insulator close to a weeping willow tree and I ran the 450 ohm ladderline down the tree, the tree was about 7' tall, and I ran the ladderline about 1" or so underground. I came in the house and hooked everything up. I hooked up my FT-840 and turned down the power to about 5 watts. I called CQ on 30 mtrs and N8FYU from MI came back to me. He gave me a 529 and I gave him a 559. I ran some tests between this antenna and my 80 mtr dipole fed with RG-8X. He said my signal was 559 with it, but there was some QSB on the bands. Then I worked XE2DV and 6D2X with 5 watts. Then VP2VF, Dirk who is real big into Ten-Ten, had a pile up going. He got me on about the third time. I said AE4. He said AE4. I said AE4JM, 5 watts ur 59 Alabama. He said Wow, 5 watts, your doing fine, he was still commenting about my signal to the next station he worked. I tried to get 0A4SS QRP, but no luck. I'm going to say a wordy dirty and say I went QRO 100 watts and got him on the first or second try. These contacts were made on 15 mtr SSB except for the MI station on 30 mtr CW. This is a great antenna, maybe not the best but it will due for me.

The next antenna that I am going to try is also from the help of the QRP-L. It is a regular old plain jane diople. I am going to make it out of number 16 or 18 insulated wire. I haven't made up my mind yet, blue or black insulation. Hee Hee! I will make it 48' long. It will be about 24' on each side. Then I will put an insulator in the middle and feed it with RG-8X probably. I then take two aligator clips and put about 11' feet of the same kind of wire soldered onto the aligator clips. I will put a sinker or rock or something on the bottom of the wire so that when I take and scratch a little bit of the insulation off of the two ends of the dipole to attach the aligator clips, then the rock will go on the bottom of the wire so that it will stay down and not flop everywhere. The antenna is for 30 meters, then when I add the aligator clips it will be for 40 meters. It would be possible to have two sets of clip leads and the make the antenna for 20 mtrs.

The third antenna that I want to try is a 33' long vertical. I also got this one from a member of the QRP-L. Take 33' of wire and attach it to one end of the 450 ohm ladderline. Throw it up in a tree, then take another piece of 33' long wire and attach it to the other side of the 450 ohm ladderline and run it across the ground. I haven't had much input on this antenna. But I did get it from a generous ham on the net. I will probably use insulated wire fro this antenna also.

So these are the antennas that I am going to try here at my

house to see which one I like best for camping in boyscouts and camporees. I really appreciate all of the help from everyone on the list. It is a great list. Thanks for all fo the help. Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@hiwaay.net>
Subject: [13466] Tnx fer great battery help!
Message-ID: <Pine.OSF.3.94.970302110050.14905F-100000@fly.HiWAAY.net>

Hey Gang,

I recently posted a message to the list about my 1.3Ah and 6.5Ah batteries. They were both about to go to battery heaven. Then all of these great responses started coming in and we have brought the 1.3Ah back to life, I think that the 6.5Ah either needs a lot of conditioning or it is time to recycle. I just wanted to say thanks for all of the help and I really learned a lot over the past few weeks that I have been on the list. IT IS GREAT! Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: km@PACT.ORG.PE ()
Subject: [13434] Weak signals and chirpiness, keys ,and list length
Message-ID: <m0w0zzY-000VL7C@uurcp.rcp.net.pe>

1 MAR 97 (don't believe my computer clock -- I'm not there yet!)

Different strokes for different folks, but I get excited about warbling and chirpy signals, especially very weak signals -- There has to be some interesting story behind that signal -- junk box, new design, far off place, super low pwr. What drives me crazy is the guy with a clear signal calling CQ time after time and he just does not have his gain up enough or his ear tuned for my clear as a bell QRP signal.

As for keys, sorry guys but the J-38 in both table and knee models are my favorite. No - can't drive em at 22 WPM, can't copy at that speed either!

Dit Dit or Dah Dah? No thumbs for me -- microsoft mouse is the best, can use the index finger or give'm the fickled finger of fate, but no more thumbs for me! I use the index finger for the dits. Again, different fingers for different folks.

Too bad this list is so long these days -- no time for radio -- I need another vacation!

Kris
OA4DBO

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Bigbob97@aol.com
Subject: [13449] What we do?
Message-ID: <970302003900_-1004604243@emout17.mail.aol.com>

Hi All!

My wife was asking about this QRP thing. She was curious about the "high" and why it was so much fun. I told her it was about effectiveness. Looking for an analogy I explained that the most feared weapon on the battlefield is not the machine gun or the cannon, but that one well placed shot. You know, sniper talk. Well, now she wants me to turn in my 38 special at the police station. Didn't work.

73,
Bob WB2DHK

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: ericvia@why.net (Eric Via)
Subject: [13453] Why QRP is the ultimate - by AD4SS
Message-ID: <v01520d07ad5b70f9544c@[207.211.121.89]>

Okay, it's MY turn to step up on the soapbox and say a few QUIET, low-powered words about QRP...

Let the record show that this Ham, me, AD4SS, has NEVER worked QRP - never even really been on the air 'cept for doing some 2 meter stuff many moons ago.

But as for QRP - here's what THIS Ham thinks about QRP...

QRP is the most American hobby you can do for one thing..

QRP is as American as Baseball and hot dogs and Mom..

America (TO ME) is a beautiful and wonderful country because we were founded on being the underdogs - we're PROUD underdogs - we support underdogs, and it's a country where underdogs can be top dogs! It's a country where misfit underdogs became a world power!

When you're on the air at 5 or less watts my fine Ham friends - you are THE UNDERDOG!! You are against a lot of odds - but by golly your signal is JUST as important as the rest of 'em out there - but your signal is SPECIAL because it's got a long way to go and a lot to accomplish.

Big watts- BAH HUMBUG!!

QRP is the spirit of accomplishment - it says something about the soul and integrity of the person who wisely chooses to use it...QRP is not a simply a means of operating in the Amateur world, oh no, QRP is a LIFESTYLE...QRP is a PHILOSOPHY - A SPIRIT!

QRP is Theodore Roosevelt my friends - it's walking softly and carrying a big stick.

QRP is Mohandas Gandhi, a single starving man taking on an empire.

QRP is the American Revolution in the form of a signal on the airwaves...

QRP is two brothers on a windswept sand dune with a strange laughable "flying machine"

QRP took human form in 1927 and crossed the Atlantic in a SMALL plane called THE SPIRIT OF ST. LOUIS.

QRP tells the world - RELAX and take it easy - there's no need for stress...

You know the story of the tortoise and the hare? The turtle is QRP... (I'll bet your Mom didn't tell you THAT part of the story did she?)

In a world of fast beautiful wonderful high-tech cars, why do we still have BICYCLES on the streets!? Hmm? Bicycles my friends...are QRP.

QRP is about being the underdog with PRIDE. QRP is for the person who knows that it's OKAY to be handicapped, it's OKAY to be against odds...

QRP is taking on POWER...being a rebel...it's being able to say - "I'm PROUD of what I am - accept me for what I am"

Imagine a room full of loud, boisterous bragging men gathered together in a room yelling and screaming and pounding their fists into tables to be heard over each other...now picture a small quiet man in the corner who says nothing..and then....finally..he speaks.....very very very softly...the big loud men in the room look to him...and then something strange happens...the yelling stops - and they LISTEN to the man carefully to hear what he said....and no matter what this little man with the quiet-but-sure voice actually said - he gains the complete attention and RESPECT of those loud men. That little man is QRP.

You folks are ALREADY winners and champions for using CW in the first place - to use QRP makes you a champion among champions!

Will CW die out? Will QRP die also? DON'T MAKE ME LAUGH!!
You can't kill a philosophy my friends....

Wow - after re-reading this email --- I think it's time that I went to bed... it's been a long day! :-) I'm still waiting to get on the air - waiting for my rig to get here..and when it does I'll join you all QUIETLY on the air.. but for now - with my straight key in my hand, I'll have to be content to practice the ULTIMATE form of QRP!!!:

NO TRANSIEVER, NO POWER.....AT ALL...ZERO!!!

"CQ CQ CQ DE AD4SS...."

Can you hear me???

Eric AD4SS Wylie, TX

Father, Husband, Writer, Pro-Choice, Anti-More-Gun-Control,
Ham Op (AD4SS), Beer-maker, Mercedes lover, Spelunker,
South Carolinian, Mac-head, dog-lover, clown, EX-smoker,
Libertarian, Dreamer,

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

"What country can preserve its liberties, if its rulers are not warned from time to time that this people preserve the spirit of resistance? Let them take arms." - Thomas Jefferson

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [13443] Why QRP?
Message-ID: <Pine.A41.3.95q.970301201420.20386B-100000@hector.NMSU.Edu>

Excuse my musings but I wanted to say some positive things about qrp. I know I'm preaching to the choir but nevertheless...

I'm often asked by QROers (or should I say non-QRPers) "If you want to work that DX station, or more of those other stations in that contest, why don't you just turn up your power?" And I answer "Because the object is to work that DX station or those other stations using QRP! To turn up the power would defeat the purpose of being QRP. On occasion (rarely I must add) I have turned up the power when my objective changed to just working the station, regardless of the power - usually to work some rare dx. But I don't even do that anymore."

I've been accused of being a "parasite" on more than one occasion, using the power, antenna system, and skill of the QRO operator in order to make the qso work. Hmmm, on some occasions that's probably pretty much true. In most cases it isn't true. The whole business of 5W qrp being only about 4 s-units below a kw is true. I would guess that most US/VE operators run around 100 watts. 100 watts is about 15 db (2 1/2 s units) louder than 4 watts. Lots of stations brag about hearing each other s9 + 20-30-40db! It doesn't take a rocket scientist to figure out that 15 db (or 4 s-units for that matter) below those levels is perfectly readable!

When qro signals are down in the noise is when we can have trouble. I know I suffer from really high line noise levels at this qth (that's why I've finally ordered an ANC-4!). Signals in the noise are difficult to copy - BUT I know that one of the skills I've developed is the ability to pull stuff out of high noise and heavy qrm. In DX contests, I've noticed that most DXers also have that skill. For that matter so do the really good QRO operators when they are really trying to hear the DX. If QROers are making casual contacts, some don't want to be bothered with the work of dragging some punny signal out of the noise. That's OK, they don't have to if they don't want to.

Equipment-wise, I've never had such really good equipment until I concentrated on QRP. My keyers, paddles, antennas, and rigs are better than when I was QRO. My signals are probably more stable, cleaner, and better keyed than they have ever been. I used to build my

own equipment in my early ham career. It worked great and I had a ball with it, but I had lots of drift, chirp (even with purple glowing voltage regulator tubes), and poor keying. I've started building again and it's great stuff. It's cheaper, more fun, and more attractive than stuff I used to build. It better working than my commercial stuff too. Don't get me wrong, the commercial stuff serves a purpose and certainly has more bells and whistles. I even own a commercial qrp rig (the QRP+, it's great and costs about 1/2 of what the QRO rigs go for).

Then there is the matter of style. I'm a sailor (a frustrated sailor out here in the desert) and I've been asked by my "stink potter" friends (power boaters for you uninitiated) why don't I get a power boat - 'cuz it would go faster? Of course the answer is "I don't want to go faster - I want to go better, prettier, more elegantly, and with STYLE!" I've operated power boats but, in my opinion, sailing takes commitment, skill, and a willingness to do it the old-fashioned way! Sounds similar to QRP values!

Enjoy, and I look forward to working you all!

Tim K5OI
Las Cruces, NM

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [13448] Re: 38S Got here today and first stupid question:->
Message-ID: <Pine.OSF.3.94.970301231508.16006C-100000@fly.HiWAAY.net>

Brian,

Did you get the 38S booklet that was suppose to come with the kit? It is towards the back that tells about the mods. I am getting my parts from HB Electronics, Dan's Small Parts, and 624 Kits. I can't remember what I ordered form who, or which company I ordered form was the parts for the 38S. I just made 3 big orders and I can't remember what I ordered. Hee Hee! Let me know if you don't have the info and I'll try to get it to you. Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: dwink@juno.com (Daniel C Winkler)
Subject: [13455] Re: 38S Got here today and first stupid question:->
Message-ID: <19970301.233613.2239.8.DWink@juno.com>

On Sat, 01 Mar 1997 21:52:36 -0700 Jess Gypin <jessqrp@concentric.net>
writes:
>Hi All,

Hi Jess,

> Would it really matter that much if I wound the
>toroids with 24 instead of 26?

No. Bigger than about 18 gauge and you have a problem with getting all the turns through the core. Smaller than 32 gauge and it's pretty easy to break the wire (and the Q is a little lower). In between it will not make a bit of difference. I would use the thicker of the two you have for purely mechanical considerations- it's stronger.

And contrary to what's been put forth on the list previously, insulated wire can also be used. The insulation won't make a whit of difference. Yes, it will lower the inductance per turn by an infinitesimal amount. Yes, it will change the distributed capacitance by a tiny amount. Neither effect will have any dire consequences. The larger diameter of the insulated wire will make it tough to get all the turns on. Finally, Radio shack sells wire-wrap wire. Silver plated 28g (?30) wire with thin teflon insulation- it would do fine. But they also sell enameled (magnet) wire (22,26 & 28, I think 3 spools in a pak).

One more note. You will increase the distributed capacitance more by getting the beginning of the winding too close to the end of the winding. So in general you try to have some space between the beginning and end of the winding, but it doesn't matter all that much. However, using really large diameter wire will force you to scrunch ALL the wires together in the middle of the core, including several turns at both the beginning and the end. That will increase distributed capacitance more- perhaps enough to actually make a difference when you go to resonate the thing with an external capacitor, although I doubt it.

Someone was bound to mention this; thought I'd pre-empt them. If anyone has actual data, I'd be curious about the magnitude of that effect.

73, ; D DWink@Juno.com Dan Winkler N7IVR Seattle, WA

-----whom the gods would destroy, they first make proud -----

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: JIM <kw3u@warwick.net>
Subject: [13463] Re: A3 antenna tune up?
Message-ID: <3319CE75.7D36@warwick.net>

mike wood wrote:

>
> Hi,
>
> I just risked life and limb to lower my Cushcraft A3 tri-bander this PM
> for some much needed maintenance. Once the thing was on the ground, I
> discovered that several of the plastic trap ends are in terrible shape.
> Lots of splits and cracks allowing H2O to get in. (No wonder the SWR
> went sky high)
>
> Can anybody tell me if the plastic caps are available from Cushcraft, or
> am I looking at replacing the traps effected? Nobody answered Cushcrafts
> phone this PM so got to wonder if anybody else had any experience with
> this ant?
>
> 73, mike Yeah Mike, I got one used and all the plastic caps were cracked or
missing. took them all off and used 88t black tape and silicone sealer
on them. Also maintenance-wise; my swr would go bonkers quite often
so when the weather FINALLY cooperated when I had a day off I put
up a new run of rg-213...NO HELP! When the antenna god deemed me
worthy of climbing the roof again I lowered the A-3 to roof level
(its on a RS telescoping mast) and took all elements apart, sanded,
steel wool, the whole thing. There! cold frosty; fire up the icom,
and great. Two days later...same old swr problem back...grrrrr!!!!
Some luck! friend with a-3 selling his. I conned him into borrowing
his traps. Day off, but light rain..oh well..changed the traps on
the driven element, back to the shack (and more cold frosty's)
and DANG!!!! problem still there. Put my traps back in and go
to shack and read about wire antennas.

A day off-the sun is out-no chores! Last chance or its the

dumpster for this soon to be twisted pretzel from hell.
Took the driven element apart, cleaned again, BUT...this time used
two hose clamps at each joint and tightened them hard as possible
with excelite socket set.

Been 1 1/2 months now and its been playing fine. Well gotta run,
hope my experience helps, going to burn some incense at the alter
of the propagation god. 73 Jim

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: ka7you@juno.com
Subject: [13486] Re: A3 antenna tune up?
Message-ID: <19970302.140753.4511.14.KA7YOU@juno.com>

Sounds like a good case for a little "penetrox" or equivalent-the first
time:>),
But isn't that what aluminum antennas are for--to frreze your fingers and
fire up the frustration level? Ahh, isn't winter time wonderful -
perfect for antenna work!

7 3

Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
NWQRP#120 ARCI#7251
QRP-L#844

On Sun, 02 Mar 1997 11:01:09 -0800 JIM <kw3u@warwick.net> writes:
>mike wood wrote:
>>
>> Hi,
>>
>> I just risked life and limb to lower my Cushcraft A3 tri-bander this
>PM
>> for some much needed maintenance. Once the thing was on the ground, I
>> discovered that several of the plastic trap ends are in terrible
>shape.
>> Lots of splits and cracks allowing H2O to get in. (No wonder the SWR
>> went ski high)
>>
>> Can anybody tell me if the plastic caps are available from
>Cushcraft, or
>> am I looking at replacing the traps effected? Nobody answered
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>> this ant?
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>> 73, mikeYeah Mike, I got one used and all the plastic caps were
>cracked or
>missing. took them all off and used 88t black tape and silicone sealer
>on them. Also maintenance-wise; my swr would go bonkers quite often
>so when the weather FINALLY cooperated when I had a day off I put
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>worthy of climbing the roof again I lowered the A-3 to roof level
>(its on a RS telescoping mast) and took all elements apart, sanded,
>steel wool,the whole thing. There! cold frosty; fire up the icom,
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>Some luck! friend with a-3 selling his. I conned him into borrowing
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>the driven element, back to the shack (and more cold frosty's)
>and DANG!!!! problem still there. Put my traps back in and go
>to shack and read about wire antennas.
> A day off-the sun is out-no chores! Last chance or its the
>dumpster for this soon to be twisted pretzel from hell.
>Took the driven element apart,cleaned again,BUT...this time used
>two hose clamps at each joint and tightened them hard as possible
>with excelite socket set.
> Been 1 1/2 months now and its been playing fine. Well gotta run,
>hope my experience helps, going to burn some incense at the alter
>of the propagation god. 73 Jim
>
>
>

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Dave Yanke" <n9ssg@pobox.com>
Subject: [13462] Re: Anti CW Article in "73"
Message-ID: <199703021615.KAA29903@mail.xnet.com>

On 28 Feb 97 at 14:48, Dan Hogan wrote:

> Why the sudden paranoia over non/anti QRP statements? We are here, and QRP
> is growing. You get anti-whatever when others start feeling threatened by you.

Why does not testing or modifying the testing of CW equate to
threatening QRP or any other form of CW operations?

While I really don't care which way the code-nocode debate ends, even
if code testing were eliminated, I'm pretty sure the FCC/ARRL will
not come and confiscate your paddles.

Member of NonSequitur Society. Our Motto:
We don't have regular meetings, but isn't blue a nice color?
Dave Yanke - N9SSG
mailto:n9ssg@pobox.com <http://www.pobox.com/~frrl>
PGP Pubic Key: <http://www.xnet.com/~n9ssg/pkey.htm>
FRRL, COL, 10-10, FISTS, ARRL

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [13473] Re: Anti CW Article in "73"
Message-ID: <3.0.16.19970302101758.1bcfba4c@mail.lightside.com>

Uhhh...my reply was to the spasm of activity on the list over the QST article. I can't comment on the article, I have yet to see the March QST issue. I don't comment pro/con on the CW argument which has been going on since I got my first Novice license in 1978.

At 16:16 3/2/97 +0000, Dave Yanke Wrote
[Snip My Stuff]
>Why does not testing or modifying the testing of CW equate to
>threatening QRP or any other form of CW operations?
>
>While I really don't care which way the code-nocode debate ends, even
>if code testing were eliminated, I'm pretty sure the FCC/ARRL will
>not come and confiscate your paddles.
[Snip Stuff]

Dan Hogan
West Covina, CA
dhhogan@lightside.com

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [13476] Re: Anti CW Article in "73"
Message-ID: <3.0.16.19970302105242.1c978b56@mail.lightside.com>

WHOOOPS!

Change QST to read 73 in my previous message. Shows you how much attention I paid to the article.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [13470] Re: attic loop (long)
Message-ID: <199703021807.LAA01348@mailrelay.csn.net>

I have done the same thing but put a dab of Penetrox between the PC board
and the foil before clamping, works great.

72, Bob KI0G

>

QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [13457] RE: Badger Boards
Message-ID: <970302095246Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

Dear Bob,

I think that the company that you were on about is Badger Boards, who
are in Sutton Coldfield, Birmingham. They used to have a shop in
Erdington, Birmingham, but it closed due to John Badger being ill.

They did a kit for 6M, but it was FM only. John was talking about an
HF and 6M multimode kit, but I have not heard any more about this
since he had to close the shop.

The address for Badger Boards is:-

Badger Boards,

87 Blackberry Lane
Four Oaks
Sutton Coldfield
Birmingham B74 4JF

Telephone: 0956 374918

(This telephone number was in the March 1997 issue of a UK magazine but I am not sure if it is correct as most UK telephone numbers now start with "01". However, it might be a mobile telephone number, in which case it would probably be right - Don't blame me for the confusion it causes, tell the British Office of Telecommunication Regulation, I personally think that the change to 01 in the UK was badly thought out!)

Cheers de Dave (G0DJA)

"How far that little candle throws its light!" Merchant of Venice
Act 5.

Copied to the GQRPL list, as requested, for information

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [13474] Re: Dipole VEE portable and simple

>Just get some decent small diameter COAX. Ladder needs all
>sorts of baluns or a tuner (forget 'em). Kris OA4DBO

Hi Kris, QRP can mask a multitude of evils. If your resonant half-wave dipole is fed with a natural number of half-wavelengths of coax, most of the RF will flow back down the outside of the coax braid instead of into the other half of the dipole. You might as well save some weight and forget the other half of the dipole. At QRP levels, you may not even notice that half your power is being radiated from the feedline. Is it bad? Maybe, maybe not. The point is, even using a half-wavelength resonant antenna and coax, one still needs to know what one is doing. If one wants to avoid feedline radiation from a balanced antenna being fed with unbalanced feedline, one should install a 1:1 current choke/balun (some turns of coax) at the antenna feedpoint.

300 ohm ladder-line is lighter, cheaper, and less lossy than coax. All one has to learn is how to

match it. It is definitely a better choice for a balanced antenna. It moves any problem to the operating position where it can be easily solved.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Tony Fishpool <101573.3220@CompuServe.COM>
Subject: [13458] Re: GQRP - Badger Products
Message-ID: <970302132448_101573.3220_IHK69-1@CompuServe.COM>

Bill Kelsey recently said:-

>I wonder if you mean Kanga Products?? I am not aware of any Badger
>Products company in the UK - or anywhere, unless Nils is forming a
>new company and hasn't told us about it yet...

Not that I want to dissuade anyone from buying Kanga products, I would get my ear bent by Dick if I did, but there really is a company called Badger over here. In the Feb. 1997 edition of Practical Wireless, it was reported that John Badger of Badger Boards was scaling down the business. He was still trading from his mobile phone (costs a fortune to call these over here) and the number (here) is 0378 296356. Badger does apparently have an e-mail address:- jbadger591@AOL.com.

So you are all SET (badger pun) to contact him now.

Kind Regards
Tony - G4WIF

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: af852@rgfn.epcc.edu (William R Colbert)
Subject: [13439] re: Heddy LaMarr
Message-ID: <9703020300.AA04635@rgfn.epcc.Edu>

Not only was she involved in the frequency hopping developement, she also had a patent or two in the crypto field - providing either the device or portions or theory (don't remember now) documents to allied personnel which aided in their construction of the Enigma devices. Quite an engineer, unfortunately not what she is best known for.

--

Ray Colbert, W5XE, SOWP 1064M, 00TC 3618, FISTS 2146
El Paso, Tx

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Bob Follett" <bfollett@ditell.com>
Subject: [13465] RE: Is Karl Rational?
Message-ID: <199703021703.KAA21789@mars.ditell.com>

Martin and Gang:

Martin wrote:

<<And for the life of me, I have no idea why KM1H decided to perpetrate that fairy tale on the world.>>

Exactly! Ol'e Karl is viewing QRP-L as a bunch of sheep! We get all worked up, defensive, indignant, and he's sitting back, probably laughing himself silly.

Come on, guys and girls, get a grip! Karl entered the QRP radio kit business with RadioKit, royally failed, got into some potential litigation problems, and, in my opinion, is a bitter, loser.

My humble suggestion. Stop wasting time discussing challenging remarks by Extras with little experience, failed businessmen, (including Wayne G.), and the age-old ARRL non-ARRL debate. We are QRPers, and should focus on promoting our segment of the hobby, operating, and having fun. This stuff just doesn't fit, in my opinion.

Just like any successful CEO would tell us, Praise and Promote in public, criticize in Private. If any of you feel compelled by to challenge anyone/anything that is an insult to QRP, feel free, but please, don't post it to our list. We ARE QRPers, we don't need to see how clever you are in putting down some inane comments made by others in our ham "fraternity".

There, now I feel better. Flame away, if you must, but a strong, outrageous, 'private' reply will follow :-)

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [13475] RE: Is Karl Rational?/re: Bob Follett
Message-ID: <3.0.16.19970302104336.1bcfb95e@mail.lightside.com>

Bob:

My sentiments EXACTLY!

Just starting an KK7B R2 reciever kit from Kanga US.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Paul Stroud <aa4xx@amsat.org>
Subject: [13491] Re: KL Gathering at Charlotte Hamfest
Message-ID: <331A02B5.4495@amsat.org>

(This message is being reforwarded from 2 weeks ago)
Hi Gang,

The KnightLites invite you to join us at the Charlotte, NC Hamfest Saturday, March 8th. The Mecklenburg Amateur Radio Society is advertised as being the largest indoor hamfest in the Southeast. Doors open at 9 AM for general admission. You'll find directions at the end of this posting.

Please bring your for sale and/or show-and-tell goodies to our QRP table, which is Table # J7. There will be someone manning this table throughout the morning, and we will consider it our gathering place. We would like to fill this table with a variety of rigs, accessories, and QRP literature. This would be a great time for us to share some of our past issues if QQ, QRPp, 72, Sprat, etc.

The KnightLites will be meeting for lunch at a nearby Shoney's at 1PM. Since the fest doesn't open until 9AM, this will give us four hours of browsing and visiting time before lunch. Typically we meet a number of new friends through hamfests, and we hope you will consider joining us for the luncheon. The format is unstructured and the group

is laid (way) back.

So far, several folks are planning on carpooling; There is still plenty of room left, so let us know if you would like a ride from the Research Triangle Park area. Here are some of the Knights that plan to go:

K4NK	Les	Greenville,	SC
N2PTW	Joyce	Greenville,	SC
AA1BK	Steve	Raleigh,	NC
KF4AR	Rick	Charlotte,	NC
WA4NID	Dave	Durham,	NC
WB4LZQ	Kim	Piedmont,	SC
WJ4P	Randy	Summerville,	SC
K2ZPF	Steve	Marietta,	GA
KS4VX	Roger and Gwen	Pittsboro,	NC
AE4MX	Henry	Raleigh,	NC
AA4XX	Paul	Raleigh,	NC

DIRECTIONS:

Mecklenburg ARS
March 8, 1997 9AM-5PM
Charlotte Merchandise Mart
Liberty Hall
2500 E. Independence Blvd (US 74)
Charlotte, NC
(Roanoke Division Convention)

Talk-in 144.69 - 145.29 W4BFB Rptr
Parking \$4 per car
Admission \$8

If you are traveling I-85, get off at EXIT 38, and head south on I-77.

If you are traveling in on I-77, get off at EXIT 11, Brookshire Freeway East.

Once on the Brookshire Freeway, you should see the downtown Charlotte skyline on your right side. Move into the far left lane.

This will lead you to Independence Boulevard (US 74) at EXIT 2B. There will be some construction area as you get onto Independence Blvd. You are now approximately 2 miles from the Merchandise Mart.

Move into the right lane, and look for the overpass, as it crosses over the Merchandise Mart. You can access the parking areas from

Briar Creek Road which is just before the Mart, or from TV Lane which is just after the Mart. Use TV Lane to get to the loading dock area if you will be unloading.

If you are coming in on US74, look for the first overpass you see, which is Eastway Drive. Move into the right lane. The next overpass is Briar Creek, and you will want to turn right onto the access ramp to the overpass, which will take you over Independence Blvd and place you at the parking area.

We hope to see you in Charlotte!

72,

Paul, AA4XX Raleigh, NC (919) 779-1637

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: af852@rgfn.epcc.Edu (William R Colbert)

Subject: [13431] re:km1h

Message-ID: <9703020014.AA00310@rgfn.epcc.Edu>

I noticed that when this thread was first posted, someone (don't remember who) had posted as a quote from another list. I seem to recall that that the person downtrodding the QRP movement was removed from this list a few weeks ago, therefore, probably some sour grapes involved in putting false information out on the homebrew list. On occasion I have heard some chirpy signals, usually when the chirpy operation occurs, it is when the battery drops below critical level and the instability occurs. Even the best of riceboxes will do this when the voltage drops too low. Overall, I think the signals are among oooops --- Overall, I think the qrp signals are among the best on the bands. Not to worry gang.

--

Ray Colbert, W5XE, SOWP 1064M, 00TC 3618, FISTS 2146

El Paso, Tx

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: Ronald Hands <Ronald.Hands@freenet.hamilton.on.ca>

Subject: [13437] Re: Ladder line

Message-ID:

<Pine.GS0.3.95.970301211452.29326G-1000000@james.freenet.hamilton.on.ca>

Thanks to those who responded to my query about an antenna connector for ladder line.

Turns out it's Roy Gregson at Emtech who apparently designed and markets it, so now I'm off to the web page...

-- Ron VE3SP
ronald.hands@freenet.hamilton.on.ca

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@HiWAAAY.net>
Subject: [13441] Re: ladder line
Message-ID: <Pine.OSF.3.94.970301214352.28731K-1000000@fly.HiWAAAY.net>

Hey Ron and Gang,

Yes, you are looking for "The Ladder Grabber". It is available from EMTECH. The price is \$6.00 plus \$1.75. Phone (360)415-0804. email roygregson@aol.com. EMTECH, 3641A Preble St. Bremerton, WA 98312. Their web page is at <http://www.isomedia.com/homes/starbuck/emtech.htm> Hope this helps out. Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [13493] Re: Need info on MFJ-941B tuner
Message-ID: <3319FB9A.2DF1@amsat.org>

ka7you@juno.com wrote:

>

> I loaned out my MFJ 941B compact tuner, and only got one page of the
> manual back. I think it originally had two. Can someone provide a copy
> for me. I'll be happy to send an SASE and cover the copying expense.

Call mfj, they will provide you a FREE copy of almost any manual they have.

MFJ ENTERPRISES

1-800-647-1800

TECH- 1-601-323-0549

FAX 1-601-323-6551

<http://www.mfjenterprises.com>

73 de Phil K6LS

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [13494] Re: Need info on MFJ-941B tuner
Message-ID: <Pine.3.89.9703021706.B7479-0100000@w3eax.umd.edu>

have an old manual for a 941C...if nobody gets you whatcha need, let me know and I'll dig into the archives.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

On Sun, 2 Mar 1997 ka7you@juno.com wrote:

> I loaned out my MFJ 941B compact tuner, and only got one page of the
> manual back. I think it originally had two. Can someone provide a copy
> for me. I'll be happy to send an SASE and cover the copying expense.
> Thanks,
> Rod Johnson KA7YOU CN97AK near Issaquah, Wa. 160M thru 1296 MHz
> NWQRP#120 ARCI#7251
> QRP-L#844
>
>

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Joe Gervais <vole@primenet.com>
Subject: [13440] Re: Phoenix bound

Message-ID: <199703020311.UAA03451@usr06.primenet.com>

Howdy Dave!

Dave (N9UXU) wrote:

> I'm heading off to pheonix to visit my grandparents March 15th through
> 20th....are there any must visits whilst I'm there? Radio-related
> happenings?

Well, dinner with the ScQRPions is always an interesting
adventure. :-) Let us know if you're up for it! (Likewise
for any other visitors to our fine Valley of the Convection
Oven.)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [13477] Re: Power losses at non-optimum SWR
Message-ID: <3319CEEC.6C90@dancris.com>

There's a table like the one you refer to in Paul Harden's "Data Book
for Homebrewers and QRPers".

That book is a goldmine. If you don't have one, get one.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [13478] Re: QRP Rigs/Kits?
Message-ID: <3319CFF2.4F72@dancris.com>

Brian,

There are two sources of rig summaries. NA5N's "Data Book for
Homebrewers and QRPers" and Rich Arland's "Low Power Communications Vol

III".

Don't have either e-mail address handy. Perhaps someone on the list can post them?

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [13485] Re: Tnx fer great battery help!
Message-ID: <Pine.OSF.3.94.970302152602.14588C-100000@fly.HiWAAY.net>

On Sun, 2 Mar 1997 d.nordquest@juno.com wrote:

> Hi Carol,
> How about telling the list what worked?
> Dave KE9ED
>
>
>

Hey Dave and Gang,

 No problem, but my name is Matt. Hee Hee! Okay this is what I done. I took and check my battery, the voltage was low, about 11 volts. So, I charged it a little bit. I then checked it and I was showing about 13 or 14 volts, I thought it's charged. I hooked up my NorCal 40A, put about a 30mA load on it, on rcv. Then I transmitted, I showed about 130 mA, at about 12 or 13 volts. So, hum, that is a little bit low, 130mA, suppose to be around 225mA on tx. So I noticed after I sent a string of dits, it started clicking badly, not straight key clicks, I was using the KC1, sounds like I checked the battery without a load and it showed me a false figure of 13 or 14 volts. So I charged it overnight I think and maybe about 4 or 5 more hours. I then checked it and it was about 13 volts. I put the NorCal 40A on it and it showed about 20mA, that is what it was before NOTE:I put 30mA above, it was 20mA.

 So 20mA or 25mA on rcv with a 25mA load it was showing about 13 volts, on tx with a 260mA, different from above when it was showing 130mA tx, it showed about 12 volts. I tx for a little while and played around with the batter a little while longer with my 40A, calling CQ and stuff. It is still going Strong. I forget who asked, but I am using a Radio Shack model 22-204C. It is a 43 range analog multimeter. It looks like one of the older ones, big meter, handle on top, it was

given to me buy a local ham who had a newer one.

So it sounds like the battery was taking a charge, and is working great. Thanks a lot for all of the help. Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [13484] Re: Weak Signal Reception
Message-ID: <3319ec90.363937@smtp.usit.net>

On Sat, 1 Mar 1997 13:59:04 GMT, adams@chuck.dallas.sgi.com (Chuck Adams) wrote:

>5. We have the patience to watch topics recycled on qrp-l for the
> second, third, and N-th time, where N is large.

Certain topics, conceptual in nature, I can see the "patience factor". There are certain technical topics that seem to recur from time to time as well, and I have a couple of comments on *those* types of recycled topics:

I'm surprised with all the people looking for good webpage topics (beyond networks of links -- everybody linking to every other "body" with little if any information contained therein) that these topics are recycled.

If there are webpages out there for these recycled topics, I'd suggest the owner register them with a few of the major search engines so they can be found ...

=46or example, I've gotten *no* responses on my "how do I use this blamed Oscope" question, probably because it's a recycled topic. However, I've gotten several pieces of e-mail asking me to direct to them the information I've received.

Perhaps a QRP FAQ is in order?

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee

e-mail: mdwatt@usit.net

<http://www.public.usit.net/mdwatt>

"The Curmudgeon's Corner"

NorCal - QRP ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid Sq EM55oq

From owner-qrp-l@Lehigh.EDU Sun Mar 2 18:04:09 1997

From: ericvia@why.net (Eric Via)

Subject: [13450] Re: What we do?

Message-ID: <v01520d00ad5b6c6a4228@[207.211.121.112]>

Bob says:

>My wife was asking about this QRP thing. She was curious about the "high"
>and why it was so much fun. I told her it was about effectiveness. Looking
>for an analogy I explained that the most feared weapon on the battlefield is
>not the machine gun or the cannon, but that one well placed shot. You know,
>sniper talk. Well, now she wants me to turn in my 38 special at the police
>station. Didn't work.

ROFLMAO!! Bob perhaps you'd best leave analogies to the
experts okay!? You're not helping out the QRP cause brother...

Confuscious say man who use QRP often should often use QRP on mouth..

Jeez... :-)

Eric AD4SS

Father, Husband, Writer, Pro-Choice, Anti-More-Gun-Control,
Ham Op (AD4SS), Beer-maker, Mercedes lover, Spelunker,
South Carolinian, Mac-head, dog-lover, clown, EX-smoker,
Libertarian, Dreamer,

My Page: <http://www.why.net/users/ericvia/pershome.html>

My Mercedes Benz page: <http://www.why.net/users/ericvia/ericmb.html>

Subscribe to ELECTRIC BACON ezine (free) - ask for details!

-----oOo-----

"What country can preserve its liberties, if its rulers are not
warned from time to time that this people preserve the spirit of
resistance? Let them take arms." - Thomas Jefferson

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [13451] Re: What we do?
Message-ID: <Pine.SUN.3.90.970301215643.12481C-100000@vortex.sage.dri.edu>

On Sun, 2 Mar 1997 Bigbob97@aol.com wrote:

> Well, now she wants me to turn in my 38 special at the police
> station.

Hi Bob,

Just explain to her that you will be turning it in 148 grains
at a time! :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Sun Mar 2 18:04:09 1997
From: "Carol N. Wright" <cnw@hiwaay.net>
Subject: [13452] Re: What we do?
Message-ID: <Pine.OSF.3.94.970302000134.27462B-100000@fly.HiWAAAY.net>

On Sun, 2 Mar 1997 Bigbob97@aol.com wrote:

> Hi All! My wife was asking about this QRP thing. She was curious about
> the "high" and why it was so much fun. I told her it was about
> effectiveness. Looking for an analogy I explained that the most feared
> weapon on the battlefield is not the machine gun or the cannon, but that
> one well placed shot. You know, sniper talk. Well, now she wants me to
> turn in my 38 special at the police station.

Hey Bob,

Maybe you should try to get here to get her license. It might be
impossible. Maybe even get a book about QRP and let her read what the
purpose of QRP is? Don't know? Sounds like I'm stumped. Best 72 DE
Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS

Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771
Ramsey mini rcvr-40mtrs, NC38S, SW30-30, NC49'er, NC40A with KC1